

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claim 1 (currently amended): A plate-shaped shearing knife for shearing off allotments of liquid glass, said knife having a plate thickness and being comprised of a hard metal and having a roughly V-shaped or circular-shaped cutting region comprised of said hard metal, said cutting region having a wedge-shaped cross section with respect to said plate thickness of said shearing knife, said hard metal having a thermal conductivity of at least about 85 W/m^{°K}, said shearing knife having on both sides of said cutting region, edge regions ~~which are not wedge-shaped~~ not having a wedge-shaped cross section, each edge region having an average width in the range of 5% to 30% of the total width of said shearing knife, said wedge-shaped cross section having a transition radius, said cutting region transitioning from said transition radius into said cutting edge.

Claim 2 (original): A plate-shaped shearing knife according to Claim 1, wherein said thermal conductivity of said hard metal is in a range between 90-100 W/m^{°K}.

Claim 3 (original): A plate-shaped shearing knife according to Claim 1 wherein the average grain size of the hard metal is at least 2 μm.

Claim 4 (original): A plate-shaped shearing knife according to Claim 1 wherein said hard metal is comprised of 91 wt% of tungsten carbide and 9 wt% of cobalt.

Claim 5 (original): A plate-shaped shearing knife according to Claim 1 further having a surface outside of a glass contact region adapted to be directed toward a glass reservoir, said surface

having a coating of poor thermal conductivity, said knife further having an opposing surface outside of the glass contact region having a coating with good thermal conductivity.

Claim 6 (original): A plate-shaped shearing knife according to Claim 5, wherein the coating with poor thermal conductivity is comprised of aluminum oxide and the coating with good thermal conductivity is comprised of copper.

Claim 7 (original): A plate-shaped shearing knife according to Claim 1, further having grooves running in a cutting direction of the shearing knife in a region of glass contact.

Claim 8 (original): A plate-shaped shearing knife according to Claim 1 wherein a side of the shearing knife has a 0.03 to 0.5 mm-deep recess that extends to a range of 1 to 8 mm from a tip of said cutting edge, and from there flares out conically to said tip of said cutting edge.

REMARKS

Claims 1-8 are pending in the application. Claim 1 has been amended herein.

Support for the amendments to claim 1 is shown in the following Table:

Amendments to Claim 1	Basis in Specification
“said knife <u>having a plate thickness</u> ”	“cutting region –2– has a wedge-shaped cross section with respect to the plate thickness d of the shearing knife” (<i>page 5, lines 19-21</i>)
“cutting region <u>comprised of said hard metal</u> ”	“The plate-shaped shearing knife –1–, according to this invention and as represented in Figures 1 to 3, is made of a hard metal alloy comprising 90 wt% of tungsten carbide and 9 wt% of cobalt.” (<i>Page 5, lines 14-16</i>)
“said cutting region having a wedge-shaped cross section <u>with respect to said plate thickness of said shearing knife</u> ”	“cutting region –2– has a wedge-shaped cross section with respect to the plate thickness d of the shearing knife” (<i>page 5, lines 19-21</i>); <i>See also</i> Figure 2.
“edge regions <u>not having a wedge-shaped cross-section</u> ”	“the shearing knife –1– has an edge region –3–, that is not wedge-shaped” (<i>page 5, lines 21-22</i>)
“ <u>said wedge-shaped cross section having a transition radius, said cutting region transitioning from said transition radius into said cutting edge</u> ”	“The wedge-shaped cutting region –2– transitions from a heavily inclined surface –9–(Figure 2), or from a transition radius, directly into the cutting edge –7–.” (<i>page 5, lines 31-34</i>)

Applicants respectfully submit that no new matter is introduced by these amendments, and respectfully request entry thereof prior to examination on the merits.

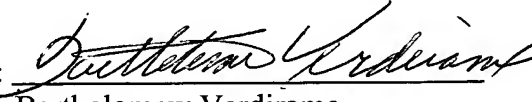
AUTHORIZATION

The Commissioner is hereby authorized to charge any additional fees which may be required for the timely consideration of this amendment, or credit any overpayment to Deposit Account No. 13-4500, Order No. 0509-4018US1. A DUPLICATE OF THIS PAGE IS HERewith ENCLOSED.

Respectfully submitted,

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Dated: September 30, 2003

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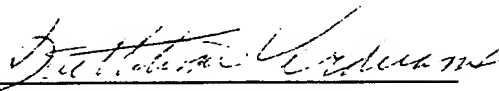
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